59 REVOLVING LIGHTS

SECTION 59

REVOLVING WARNING LIGHTS

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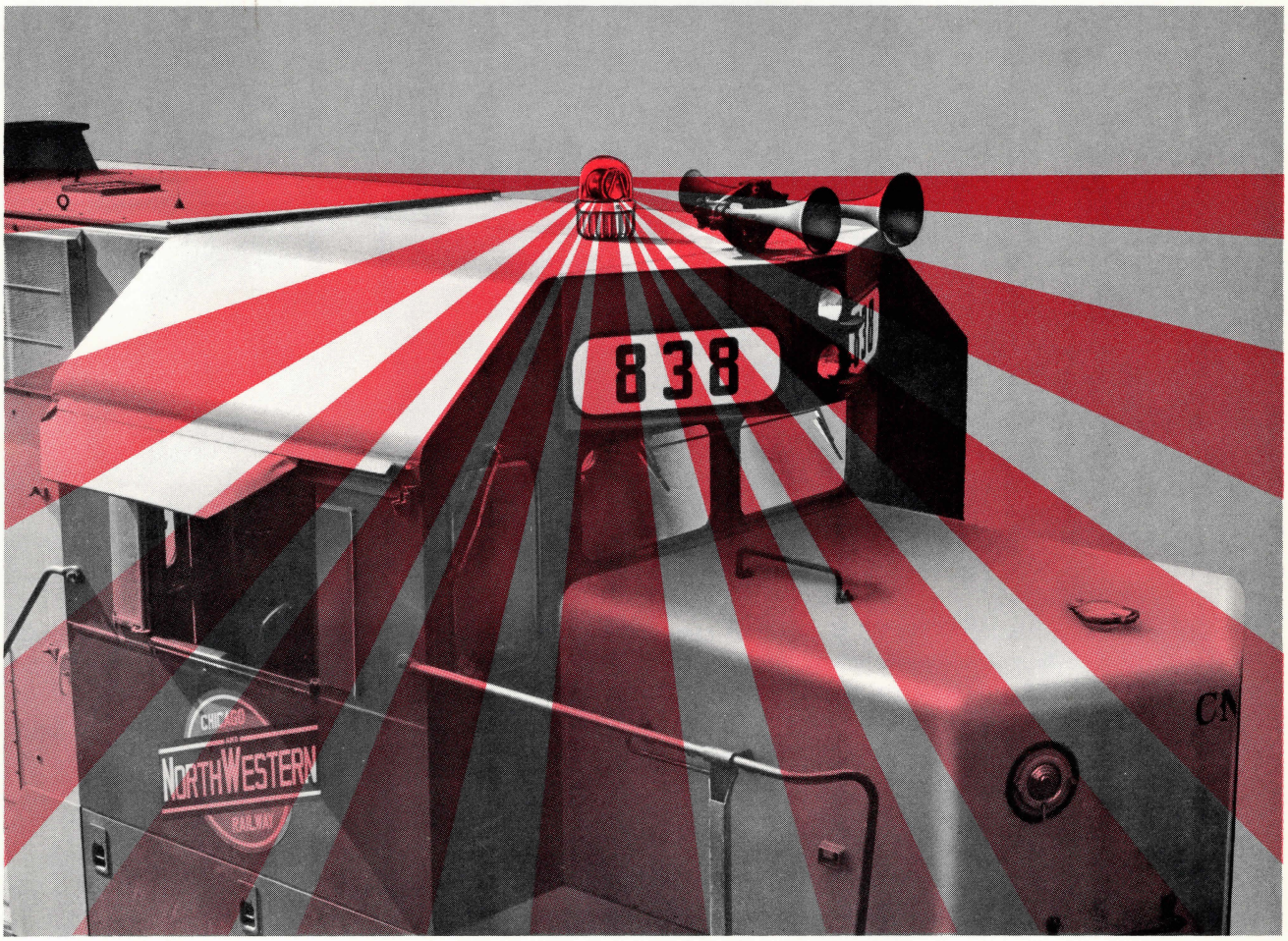
Diesel Locomotive REVOLVING WARNING LIGHT MODEL D-312



Test application, courtesy Chicago and North Western RR

Provides long range, intense flashes of light cast radially thru 360°

FOR SAFETY AND PROTECTION: When installed on locomotive cab roof, Western's Diesel Locomotive Revolving Warning Light, Model D-312, radiates bright flashes of light . . . to alert humans and to "clear the way."

Diesel Locomotive REVOLVING WARNING LIGHT MODEL D-312

Engineered to withstand shock and vibration, Western's Revolving Warning Light, Model D-312, is built for a lifetime of service.

The Model D-312 operates on 75 V isolated current, with two 75 W sealed-beam lamps. Motor has precision worm and fiber worm gears, protected by heavy duty clutch. Base is die cast aluminum. Dome is high heat resistant, virtually unbreakable polymer. Ample underdome space allows for cool, quiet running of lamps. Stainless steel retaining band, with single clasp, gives easy access for simple snap-out, snap-on relamping. Unit is fully weatherproof.

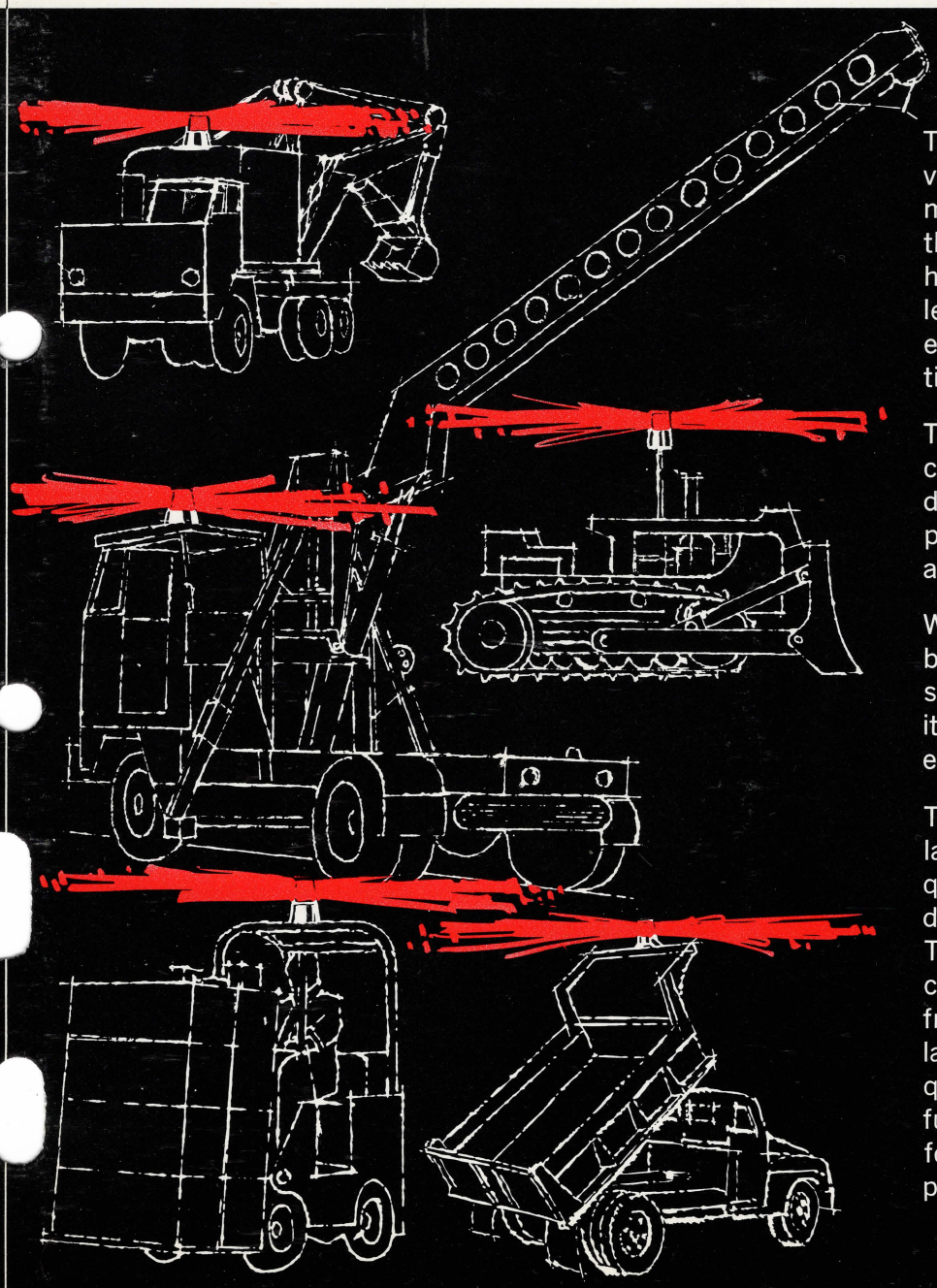
Dome available in red, blue, amber or clear white
Dimensions: Height, 11¼ inches; diameter, 9 inches
Net Weight: 9 lbs. Shipping Weight: 11 lbs.
When ordering: Specify model number, voltage and dome color desired

WESTERN RAILROAD SUPPLY COMPANY
Division of WESTERN INDUSTRIES, INC.
2742 West 36th Place, Chicago, Illinois 60632
CANADA: Lyman Tube & Supply Co., Ltd., 5420 Pare Street, Montreal 9, Quebec

September, 9/67/—6M Printed in U. S. A.

FEDERAL *REVOLVING* WARNING LIGHTS

ESPECIALLY DESIGNED for ■ **UTILITY EQUIPMENT**—Phone, light, power, gas or transit company emergency cars, service and repair trucks, line trucks and snorkels. ■ **ROAD EQUIPMENT**—Maintenance, service, or repair trucks and such vehicles as snowplows, salters, cinder spreaders, mowers, stripers, rollers, scrapers, sweepers, and refuse handlers. ■ **CONSTRUCTION EQUIPMENT**—Shovels, back-hoes, cranes, ditchers, dozers, pavers, loaders and dump trucks. ■ **IN-PLANT EQUIPMENT**—Including many of the former listings plus transfer tractors, fork-lifts, conveyors, loaders, car movers, and even fire trucks and ambulances. ■ **TOWING AND WRECKER OPERATIONS.**



The duties of "non-emergency" work vehicles often find them standing or moving slowly, for the task at hand, so they are exposed to, or create, traffic hazards. Emergency vehicle operators learned long ago that Beacon Rays were even more valuable protection at destination than they were enroute.

The long range intense flashes of light cast radially thru 360° alert the day dreaming motorist in ample time. In protecting him you protect your men and equipment.

Work is faster and better when you can be protected with confidence. Better safety records spell "job-economy" and its humanitarian aspect can't be dollar evaluated.

The new lights on subsequent pages lack nothing of the performance or quality of their predecessors. They are durable, dependable, and fully effective. They have been designed for general commercial uses, minus many of the frills desired on fire apparatus or ambulance. In these lights you have ample quality and utility with clean compact functional appearance. There is a model for your every need in price as well as performance.

FEDERAL POWER LIGHT

Four powerful sealed beam spot lamps rotate under the broad acrylic dome cover. The "Power" light's low contour matches the monitor styling of modern vehicles. Ample underdome space means cooler, quieter running. Simple mounting, easy relamping, and trouble-free construction are combined in its . . . **UP-TO-DATE APPEARANCE.**

MODEL 184
NEW LOW CONTOUR 4 BEAM LIGHT

The Power light is especially satisfactory as a protector and warning for highway emergency, maintenance or construction vehicles. Mount it on your plow, tow-truck, salter, grader, scraper, or repair equipment and you can negotiate or detour heavy fast traffic in safety. It represents equal safety and satisfaction on police cars, fire trucks, or ambulances. Meets S.A.E. requirements.

Every new phase and feature of the Power light was tried and tested before going on the market. Federal, the pioneer designer and producer of revolving warning lights, has combined in the 184, its years of experience and superior facilities. The improved motor provides closer clearances. The precision worm and fiber worm gear are protected by a heavy duty clutch. Lampholders are special non-corrodible castings with instant but positive "Snap-in" lamp retainers. No tools required for relamping.

The spun brass case is richly chrome plated and the stainless steel retaining band, with single clasp, provides quick access for relamping. The skirt or base on the standard model 184 is but 3″ high, but the optional model 184H has a 5″ skirt for those who prefer it for trimming or for additional height.

The Power light, obviously, is highly resistant to shock and vibration. The regular 184 and 184H are made to mount on a vehicle roof or similar horizontal surface. For those who, from necessity or preference, want pipe post mounting, we offer No. 4184 post mounting kit as an additional feature.

OPTIONS FOR MODELS 184 AND 14

These lights are furnished normally for 12 volt operation and with red dome. The usual options of amber, blue, or clear are also offered. With the clear dome, lamps of varied color may be used. Sealed beam lamps are available in red, amber, blue*, green*, and clear white. No extra charge is made for these options, or for a 6 volt unit. 24 volt lights carry an additional charge. The post mounting kit is an additionally priced accessory for the model 184. If you order the 14A, the pipe post mounting is included.

HOW TO ORDER MODELS 184 AND 14

Specify model number, voltage and dome color desired. If you specify the clear dome, do not fail to indicate what color sealed beams you want with it. If you want post mounting use correct catalog numbers. The same options are offered on the 184H as on the 184.

*Blue and green sealed beam lamps are not available in colored glass. While we use the best transparent lacquer colors, we cannot guarantee green or blue lamps against chipping or peeling.

Full specifications appear on page 4.

MODEL 14
NEW LOW CONTOUR 2 BEAM LIGHT

The "Fourteen" embodies many of the features of the 184. It has the same positive drive, clutch action, cast lamp supports, retainers, and brush action as its four-lamp counterpart. Rugged design is the keynote—just the unit for vehicles listed on page 1. All parts are for extra heavy duty and are stainless or non-ferrous materials. It has no rubber bands, belts or similar friction drive connections to wear or slip.

The two powerful sealed-beam lamps mounted back to back have no reflectors to tarnish or warp out of adjustment. There are no separate lenses to vibrate out of focus or alignment.

Unlike the larger 184, the size and weight of the Fourteen enables us to offer the option of a magnetic-demountable model. The model 14M, equipped with 6 magnets will cling firmly to any ferrous surface. A cord extension with a plug for the cigar-lighter completes the hookup for operation. Protection can be provided for whatever vehicle is in hazardous duty and its portability and flexibility of use increases your safety factor with less investment.

See options and how to order on page 2.
Full specifications appear on page 4.

FEDERAL FOURTEEN LIGHT

MODEL 14
NEW LOW CONTOUR 2 BEAM LIGHT

MODEL 121 VITALITE

Here is protection at a price, and the low price is no compromise with quality. A good parabolic anodized reflector revolves around a powerful bulb to project its intense beam.

For many secondary pieces of equipment this is the economical solution to 360° protection. The model 121 has magnets that cling to ferrous surfaces. It will plug into a cigar lighter socket. It can be transferred instantly from one vehicle to another.

The VITALITE is extremely light weight and compact. A permanent mounted model 121A is also offered and the 121B is furnished with a threaded flange for pipe mounting.

Supplement or replace the ineffective blinkers with a Vitalite. On any size equipment and for any duty, it's a better protector.

OPTIONS
Red is the standard color, but blue, amber, and clear white are available. 12 volt is standard but 6 volt is optional. The above options are available at the regular price.

HOW TO ORDER
Specify model number, voltage and dome color desired.

FEDERAL VITALITE

MODEL 121 SINGLE BEAM

SELF-LEVELING BRACKETS
FOR ALL FEDERAL LIGHTS

Many vehicles, like dump trucks, fork lifts, snorkels, and scrapers, operate on steeply inclined surfaces, or mount the light on a portion of the vehicle that doesn't remain relatively horizontal.

For such use, the swivel self-leveling bracket is a valuable safety factor. Models are all of similar design and construction, but vary in size and weight compatible with that of the lights.

Self-leveling brackets are available for our line of Fire and Police Beacon Rays as well as those listed in this bulletin.

Specifications are on this page.

LIGHT SPECIFICATIONS

MODEL	DESCRIPTION	HEIGHT	DIAMETER	NET WT.	SHIPPING WT.
184	**Standard**	9¾″	11½″	11½ lbs.	12½ lbs.
184H	**High skirt**	11¾″	11½″	12 lbs.	13 lbs.
4184	**Pipe kit only**	⅞″	11¾″	—	—
14	**Surface mount**	8″	8½″	4½ lbs.	7 lbs.
14-M *	**Magnetic plug-in**	8″	8½″	5 lbs.	7 lbs.
14A	**Pipe mount included**	8½″	8½″	6½ lbs.	9 lbs.
14-4P	**Pipe kit only for No. 14**	—	—	2 lbs.	2½ lbs.
121 *	**Magnetic plug-in**	6³⁄₁₆″	5⅛″	1¾ lbs.	2½ lbs.
121-A	**Permanent mount**	6³⁄₁₆″	5⅛″	1½ lbs.	2½ lbs.
121-B	**Pipe-post mount**	6³⁄₁₆″	5⅛″	1¾ lbs.	2½ lbs.

BRACKET SPECIFICATIONS

MODEL	DESCRIPTION	NET WEIGHT	SHIPPING WEIGHT
417	**For No. 184**	8 lbs.	8½ lbs.
414	**For No. 14**	7 lbs.	7½ lbs.
4121	**For 121-A**	1¾ lbs.	2 lbs.

*Socket for plug-in connection on these lights available at nominal charge.

Distributed by:

WESTERN RAILROAD SUPPLY COMPANY

Division of Western Industries, Inc.

2742 West 36th Place, Chicago, Illinois 60632

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Form: RWL-7-67 NRCO—6M

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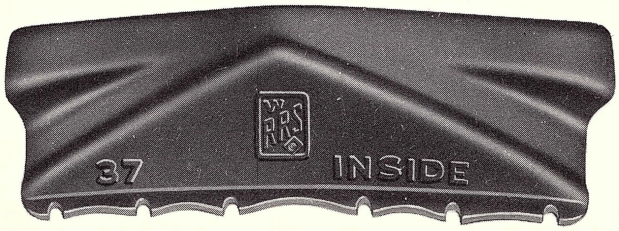
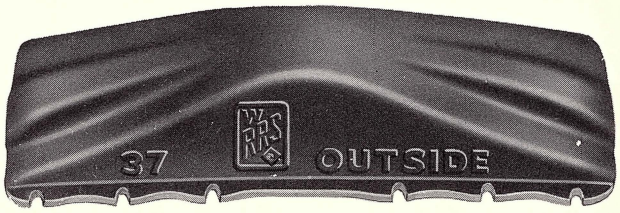
RERAILERS

CAR AND LOCOMOTIVE
REPLACERS
(WRECKING FROGS)

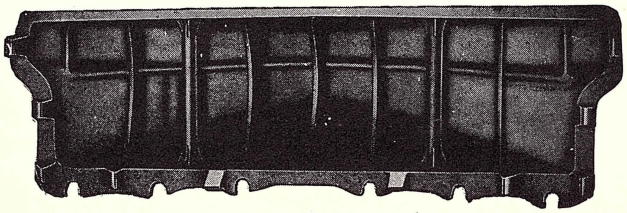
Lowest weight and greatest strength consistent with structural design and proper distribution of metal



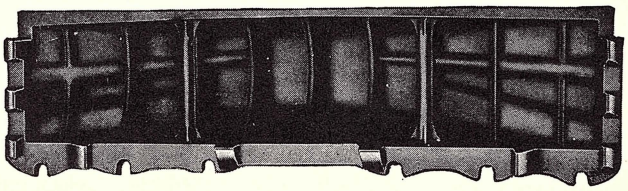
Top View — Inside Replacer



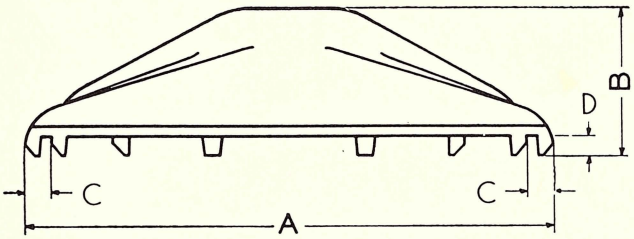
Top View — Outside Replacer

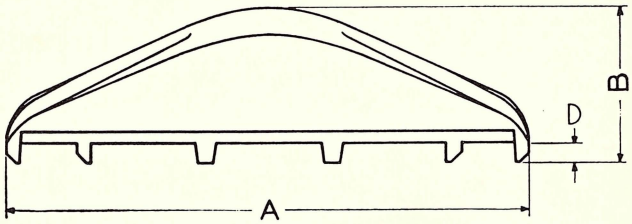


Underside — Inside Replacer



Underside — Outside Replacer





	Inside Replacer Dimensions				Outside Replacer Dimensions		
	A	B	C	D	A	B	D
No. 45—For rail up to 5″ high	23½″	6½″	0″	¾″	25¼″	6¾″	¾″
No. 46—For rail up to 6″ high	33″	8¾″	1¾″	1¼″	33″	9¼″	1¼″
No. 37—For rail up to 7″ high	34½″	9¾″	1¾″	1¼″	34½″	10¼″	1¼″
No. 28—For rail up to 8″ high	36″	11¼″	0″	1¼″	36″	11¾″	1¼″

NOTE: HEIGHT OF RAIL INCLUDES THICKNESS OF TIE PLATE

Gradual and easy climb by the tread of the wheel.

Do not interfere with under-rigging of cars and locomotives.

Are provided with flanges and ribs to guide the wheels.

May be used on bridges, trestles, curves, planked crossings and around interlocking plants and frogs.

Light enough to be handled by one man

WESTERN RAILROAD SUPPLY COMPANY

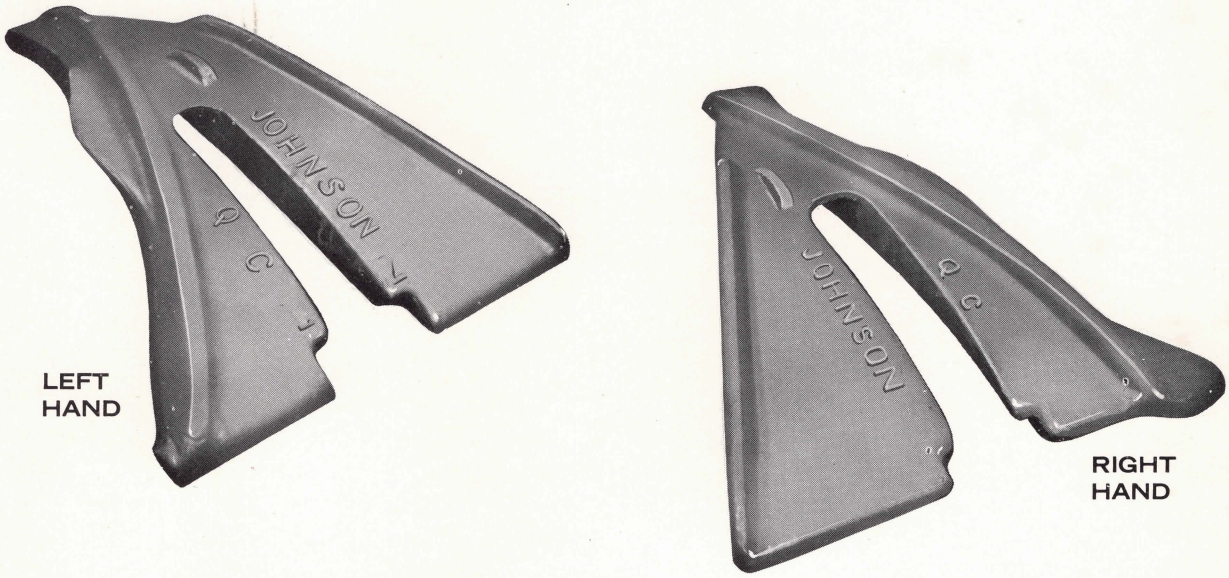
Division of Western Industries, Inc.

2742 West 36th Place, Chicago 32, Illinois

~~Canada: Melville Machinery Co., Ltd., 515 Bisson Street, Montreal 3, Quebec~~

PRINTED IN U.S.A.

The original "butterfly-type" CAR RERAILERS



LEFT HAND

RIGHT HAND

Made of cast steel (annealed), these original Johnson Car Rerailers are simple to use, just place them straddling the rail. They need no spikes, clamps or fasteners, and are self-adjusting to various heights of rail.

Designed to rest on both front and rear of rail, Johnson "butterfly type" Rerailers form a friction grip when in use.

Important too, they allow the load to be evenly distributed on the rail, not just on one or two ties.

MODELS: C (Left and Right) for 70-lb. to 90-lb. rail

MODELS: CC (Left and Right) for 70-lb. to 90-lb. rail
W-96 (Left and Right) for 96-lb. to 132-lb. rail
Also available: Western's "camelback-type" Rerailers

WESTERN RAILROAD SUPPLY COMPANY
Division of Western Industries, Inc.
2742 West 36th Place, Chicago, Illinois 60632
Canada: Consolidated Equipment Co., Ltd., Dominion Square Bldg., Montreal 2, Quebec

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